CLAIMS

- 1. An insulation film for providing an insulation substrate for carrying a semiconductor chip of a semiconductor package; wherein
- two rows of sprocket holes are provided comprising a plurality of sprocket holes formed at a pitch L along both edges of the insulation film;
 - a plurality of through holes is formed two-dimensionally at a pitch p between the rows of sprocket holes; and
- the plurality of through holes can be used selectively as through holes for the insulation substrate of the semiconductor package according to size of the semiconductor package.
 - 2. The insulation film according to claim 1; wherein the pitch L and the pitch p satisfy the following equation: m p = n L (i.e., n and m are integers that satisfy the equation n < m).
- 3. The insulation film according to claim 1 or claim 2; wherein the insulation film has the following:
 - a plurality of circuit patterns formed two-dimensionally upon the insulation film according to size of the semiconductor package; and
- a for-plating-electricity-supply-use conductor pattern electrically connected with the plurality of circuit patterns.
 - 4. The insulation film according to claim 3; wherein the for-plating-electricity-supply-use conductor pattern has the following:
 - a main line surrounding the perimeter of the plurality of circuit patterns; and a sub-line electrically connecting each of the circuit patterns to the main line.
 - 5. A method for manufacture of an insulation film for providing an insulation substrate for carrying a semiconductor chip of a semiconductor package comprising the steps of:
- preparing insulation film having two rows of sprocket holes comprising a plurality of sprocket holes formed at a pitch L along both edges of the insulation film; and

forming a plurality of through holes two-dimensionally at a pitch p between the rows of sprocket holes.

- 6. The method for manufacture of an insulation film according to claim 5; wherein the pitch L and the pitch p satisfy the following equation: m p = n L (i.e., n and m are integers that satisfy the equation n < m).
- 7. The method for manufacture of an insulation film according to claim 6; wherein the step of forming the through holes further comprises the steps of:

forming the through holes by collective punching out at the effective sprocket hole formation width of the through holes along the transverse direction of the insulation film in a region of length n L along the length-wise direction of the insulation film;

moving the insulation film just a length n L in the length-wise direction by means of the sprocket holes; and

repeating these two steps alternately.

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- 8. The method for manufacture of an insulation film according to claim 6 or claim 7; wherein the method further comprises a step of forming a plurality of circuit patterns two-dimensionally upon the insulation film according to size of the semiconductor package and a for-plating-electricity-supply-use conductor pattern electrically connected with the plurality of circuit patterns.
- 9. A method for manufacture of a semiconductor package comprising the steps of: preparing insulation film having the following: two rows of sprocket holes comprising a plurality of sprocket holes formed at a pitch L along both edges of the insulation film, a plurality of through holes formed two-dimensionally at a pitch p between the rows of sprocket holes, a plurality of circuit patterns formed two-dimensionally upon the insulation film according to size of the semiconductor package, a for-plating-electricity-supply-use conductor pattern electrically connected with the plurality of circuit patterns having a main line surrounding the perimeter of

the plurality of circuit patterns and a sub-line electrically connecting each of the circuit patterns to the main line;

mounting of a semiconductor chip within a respective prescribed region of each circuit pattern of the insulation film and electrically connecting the semiconductor chips with the circuit patterns;

performing resin sealing for partitioning off each region enclosed by the main line of the conductor pattern; and

cutting apart into individual semiconductor packages by dicing along the sub-lines of the insulation film.

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- 10. The method for manufacture of a semiconductor package according to claim 9; wherein the method further comprises a step of plating each of the circuit patterns upon the insulation film using the for-plating-electricity-supply-use conductor pattern.
- 11. The method for manufacture of a semiconductor package according to claim 9 or claim 10; wherein the above mentioned diving step is carried out by use of a diving blade having a blade trim width wider than the wiring width of the sub-line of the conductor pattern so that the sub-line is not left behind upon the insulation film.